



6L4

OSCILLATOR TRIODE

ACORN TYPE

GENERAL DATA**Electrical:**

Heater, for Unipotential Cathode:

Voltage. 6.3 ac or dc volts

Current. 0.225 amp

Direct Interelectrode Capacitances:

Grid to Plate. 1.6 μf Grid to Cathode. 1.8 μf Plate to Cathode. 0.5 μf

* With no external shield.

Mechanical:

Mounting Position. Any

Overall Length. $1-7/32" \pm 5/32"$ Overall Diameter (Including radial pins). . . $1-3/32" \pm 1/16"$

Bulb. T-4-1/2

Base. Small Radial 7-Pin

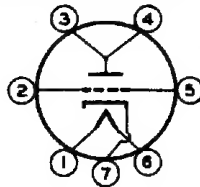
Basing Designation for BOTTOM VIEW. 7BR

Pin 1 - Heater

Pin 2 - Grid

Pin 3 - Plate

Pin 4 - Plate



Pin 5 - Grid

Pin 6 - Heater

Pin 7 - Cathode

AMPLIFIER - Class A₁**Maximum Ratings, Design-Center Values:**

PLATE VOLTAGE. 500 max. volts

PLATE DISSIPATION. 1.7 max. watts

PLATE CURRENT. 15 max. ma

PEAK HEATER-CATHODE VOLTAGE:

Heater negative with respect to cathode 80 max. volts

Heater positive with respect to cathode 80 max. volts

Typical Operation and Characteristics:

Plate Voltage. 80 volts

Cathode-Bias Resistor. 150 ohms

Amplification Factor. 28

Plate Resistance. 4400 ohms

Transconductance. 6400 μhos

Plate Current. 9.5 ma

Maximum Circuit Values (for maximum rated conditions):**Grid-Circuit Resistance:**

For fixed bias. Not Recommended

For cathode bias. 0.5 max. megohm

MAY 20, 1949

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

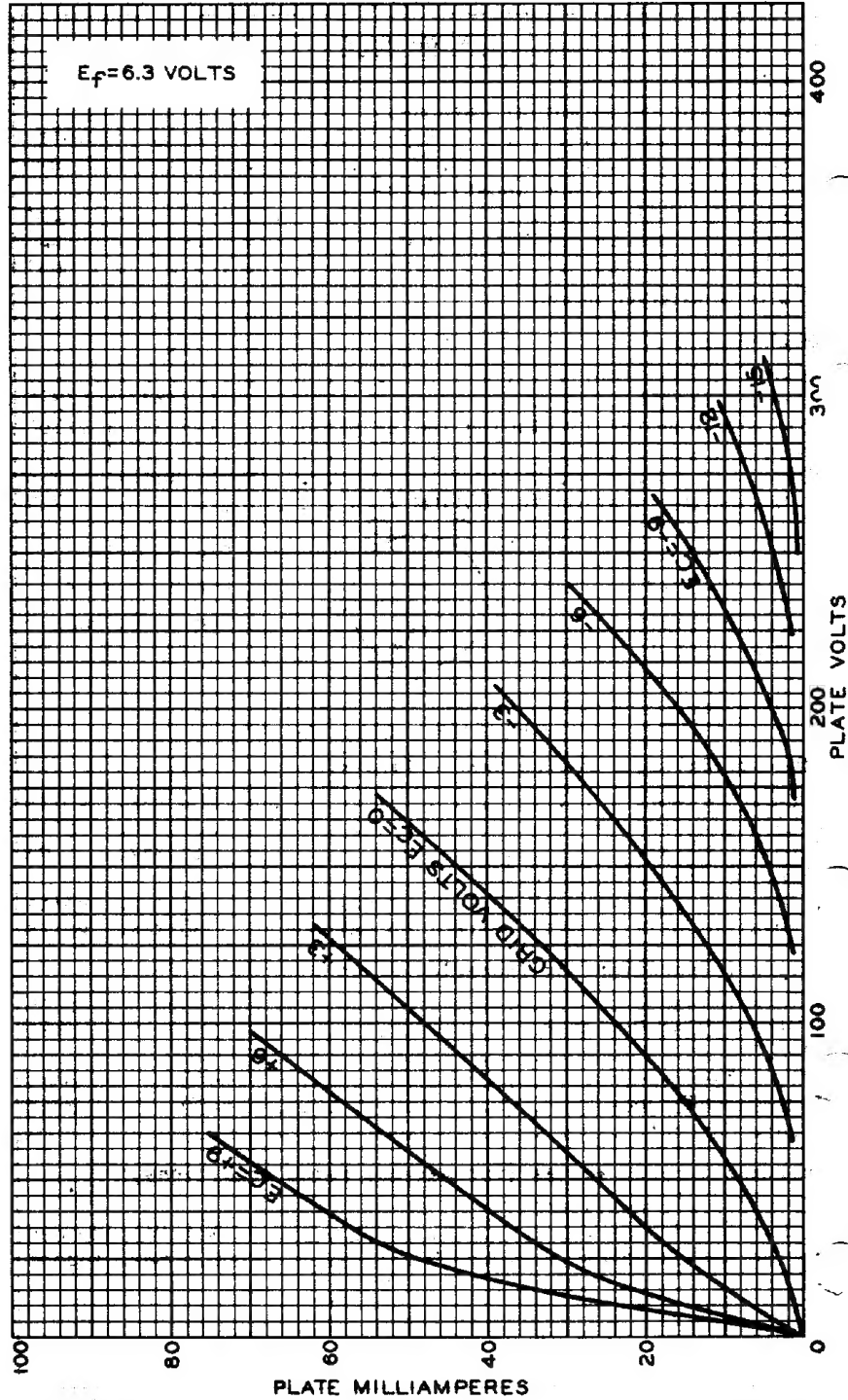
TENTATIVE DATA

6L4



6L4

AVERAGE PLATE CHARACTERISTICS



MAR. 6, 1949

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

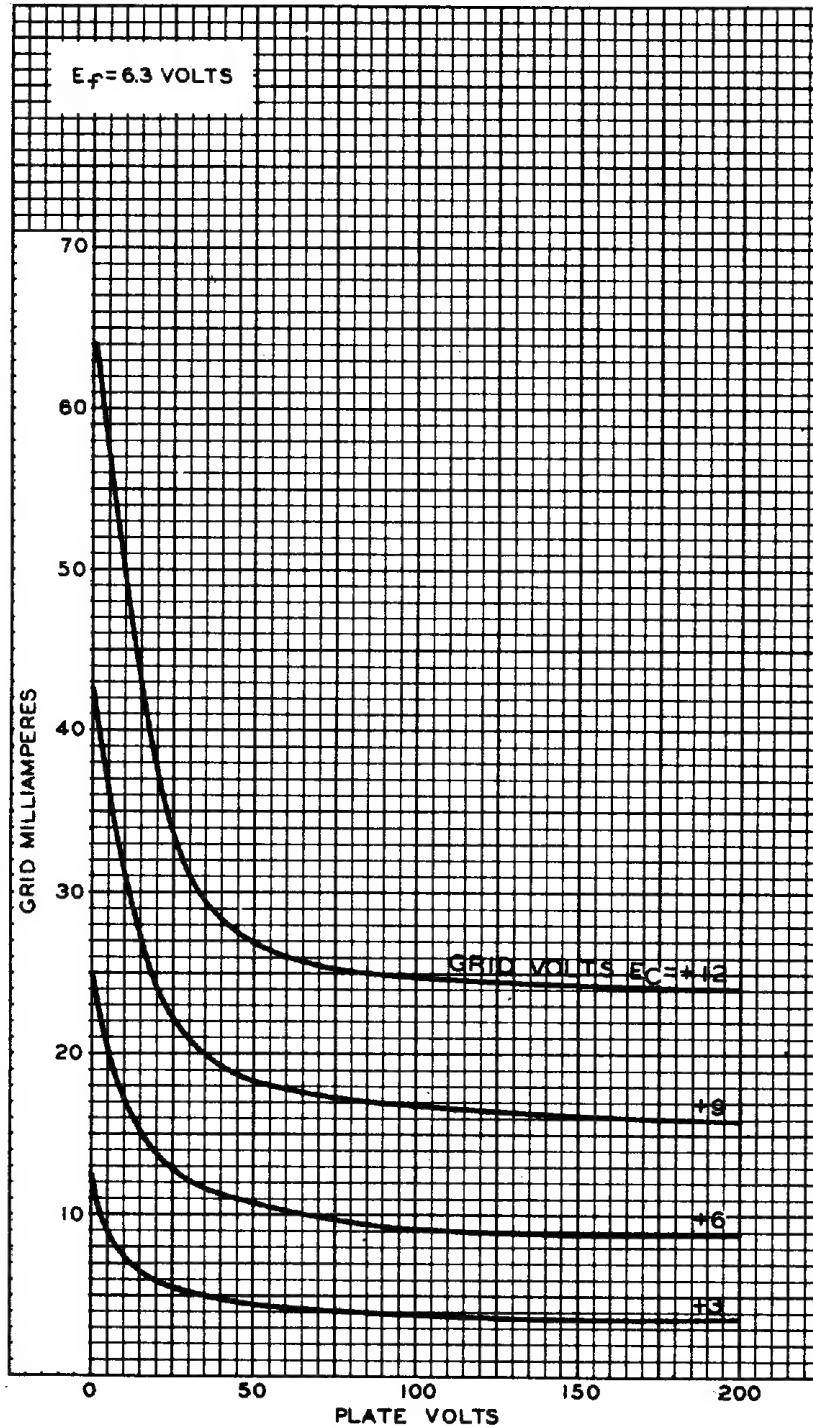
92CM-7199



6L4

6L4

TYPICAL CHARACTERISTICS



MAR. 10, 1949

TUBE DEPARTMENT
RADIO CORPORATION OF AMERICA, HARRISON, NEW JERSEY

92CM-7202